

Volume 40 Issue 09

Web Site <http://www.w5rok.us>

June 2019

CARC Membership Meeting

Tuesday 25 June 2019
1700 Social 1730 Meeting
1800 Program

Methodist Richardson Medical Center
At Bush/Renner/Shiloh Intersection
Conference Room A in Hospital Building

Subject:
ICE CREAM SOCIAL

Conference Room A on the first floor of Methodist Richardson Medical Center, Renner/Shiloh Roads at George Bush Tollway. Contact Kerry Weeks, K5WKS, (214) 478-3230 or weeks.kerry@gmail.com.

Welcome Recent New Members

Collins Amateur Radio Club welcomes Ximone Willis, KF5VEK who joined the club recently. Looking forward to seeing y'all at the meeting and club activities.

Frank Krizan, KR1ZAN, Attempting Satellite Contact at FunDay

Frank, KR1ZAN, attempts a contact via the AO-91 amateur satellite. Frank was using a Kenwood TH-D72A hand-held and dual-band Arrow Yagi antenna. Unfortunately, crowded conditions on a single channel FM repeater in the sky, a relatively low angle pass, trees and a building obscured the path. There's always next time.

Local Club News

Meeting Notice

At the next general membership meeting the club will discuss the proposed constitution revision and the unescorted building/club room access, along with other news about club company support. There will be an ice cream social also, so bring your appetite and your Field Day stories.

RCARC Community Service Activities

Siren Testing Dennis Cobb WA8ZBT, John McFadden K5TIP and Jim Skinner WB0UNI participate in the Richardson emergency siren testing. The June test was cancelled due to inclement weather. The sirens are monitored by amateur radio operators and reports made using the Richardson Wireless Klub (RWK) repeater at 147.120 MHz. Siren testing occasionally uses the University of Texas at Dallas (UTD) repeater at 145.430 MHz, which is designated as the backup repeater.

Crime Watch Patrol Jim Skinner WB0UNI participated in Richardson Duck Creek Crime Watch Patrol (CWP). CWP members, after successful completion of Richardson Police Department Training, patrol their neighborhoods and report all suspicious activities to the Police Department.

CARC VE Test Session

Collins ARC tests are held on the 4th Tuesday at 1930 (immediately following the CARC membership meeting, in



W5ROK Operated in the June 2019 ARRL VHF Contest.

Here are the results of the contest:

Freq	Mode	QSO's	GRIDS
50	CW	2	2
50	USB	13	6
144	CW	1	1
144	USB	17	9
432	USB	9	6
1296	USB	1	1
Totals		43	25

(Contributed by Dennis Cobb WA8ZBT)

CARC OFFICERS			
PRESIDENT Gene Duprey 319.270.8159 geneduprey2015@gmail.com	K1GD	VICE-PRESIDENT AVAILABLE	
SECRETARY Jim Brown 972.495.2209 jhksbrown@verizon.net	AF5MA	TREASURER Rohan Thomas 972.697.3512 Rohan7066@yahoo.com	KG5RCN
ACTIVITIES Frank Krizan 214-563-6679 kr1zan@arrl.net	Kr1zan	WEBSITE MANAGER Mike Hollingsworth 972.571.6060 w5qh@arrl.net	W5QH
STATION TRUSTEE Bob Kirby 319.360.0500 k3nt@arrl.net	K3NT	NEWSLETTER EDITOR Jim Skinner 214.535.5264 wb0uni@arrl.net	WB0UNI
MEMBERSHIP AVAILABLE		W5ROK CLUB STATION 972.705.1349 461-290	

VE SESSIONS

Collins Amateur Radio Club (CARC) Test sessions take place on fourth Tuesdays, immediately following the regular CARC monthly membership meeting (about 7:30 p.m.). The test sessions are held in Conference Room A of the Methodist Richardson Medical Center, at the Bush/Renner/Shiloh intersection in Richardson. Walk-ins are welcome, but it's best to register with the lead examiner, Kerry Weeks, at weeks.kerry@gmail.com or by phone at (214) 478-3230.

Dallas tests are held on the fourth Saturday of each month at 1000 hrs. 13350 Floyd Rd. (Old Credit Union) Contact Bob West, WA8YCD 972.917.6362

Irving tests are held on the third Saturday of each month at 0900. Fifth and Main St. Contact Bill Revis, KF5BL 252-8015

McKinney VE test sessions are held at the Heard Museum the first Sunday of the month. The address is 1 Nature Place, McKinney TX. The time of the testing is 1430, ending no later than 1645. **Note: no tests given on holiday weekends.**

Garland testing is held on the fourth Thursday of each month, excluding November, and begins at 1930 sharp. Location is Freeman Heights Baptist Church, 1120 N Garland Ave, Garland (between W Walnut and Buckingham Rd). Enter via the north driveway. A HUGE parking lot is located behind the church. Both the parking lot and the Fellowship Hall are located on the east side of the church building, with

big signs by the entrance door. Contact Janet Crenshaw, WB9ZPH at 972.302.9992.

Plano testing is on the third Saturday of each month, 1300 hrs at Williams High School, 1717 17th St. East Plano. Check Repeater 147.180+ for announcements.

Richardson The Richardson Wireless Klub (RWK) VE team hold license testing on the third Thursday of each month at St. Barnabas Presbyterian Church, 1220 West Beltline Rd. Testing begins at 1900 hrs in room 12. Enter through the Northern most door on the east side of the church building. For further information contact Don Klick KG5CK. 972.464.2889 or E-mail rwkhamtest@gmail.com.

SIGNALS is the monthly newsletter of the Collins Amateur Radio Club, published by and for its members. The entire contents of this newsletter are copyright © 2019 by the Collins Amateur Radio Club. Permission is hereby granted to any not-for-profit amateur radio publication to reprint any portion of this newsletter provided both the author and Collins Amateur Radio Club are credited.

President and VP Messages

Well, I have been out of town for the past week in Iowa visiting friends and doing photography. I did take my Flex Maestro and did do some Ham radio remote operation from Iowa.

As for the Club news, we did manage to keep our club station in the facility, due to some hard work from Jim Brown, Bob Kirby, Dennis Cobb and myself. We also now have a solution for our retirees to have access to the club station. Jim Brown has sent out an email to our retirees, asking those who want access to the station to provide their information so we can then get with Connie in Security to start the process of getting photo badges for the retirees that want access. If you want access then please forward your information as requested by Connie to Jim ASAP. If you cannot submit a photo as requested in the email Connie can do this if you are available when we meet with her. Connie wants to do these as a group, not onesie or twosies.

Also, I hope everyone enjoyed Ham-Com this year. There was lots of new stuff shown.

See you at the club meeting

73's,
Gene, K1GD
CARC President

Secretary's Report

28 May 2019

President Gene Duprey K1GD called the meeting to order at 1737.

The following were present at the meeting:

Jim Brown	AF5MA
Dennis Cobb	WA8ZBT
Gene Duprey	K1GD
Bob Kirby	K3NT
Frank Krizan	KR1ZAN
Daryl Morgeson	AF5QJ
John McFadden	K5TIP
Mike Schmit	WA9WCC
Kerry Weeks	K5WKS

Officers and Committee Reports:

There were no formal reports other than the Secretary's Report, which is contained in this newsletter, and the Treasurer's Report, which was delivered verbally by Bob Kirby K3NT.

Old Business:

Current Club Status. Gene Duprey K1GD and Jim Brown AF5MA reported on efforts to coordinate with Collins Aerospace management to resolve issues with possible relocation/removal of the club radio shack and access to the shack by retirees. Discussions to date are promising, but no final decisions have been made. A current club roster (in preparation by Jim Skinner WB0UNI) will be submitted this week to Collins to aid in the process.

Field Day Preparations. Preparations for Field Day on 22-23 June 2019 were discussed. It was expected that club participation will be limited due to access restrictions as above. Members with facility access were encouraged to participate individually to the extent possible.

Revisions to Constitution. In response to a request by Frank Krizan KR1ZAN at the last meeting, Jim Brown agreed to review the existing club constitution, proposing changes as needed to modernize the document and to recognize the corporate name change by the club sponsor. A draft was circulated and discussed. Based on comments received, a further draft is in process. Comments included a discussion to restructure the Board of Directors to assure that active employees hold a majority of seats, making the club more responsive to the sponsoring corporation. The next draft will be emailed to members prior to the next meeting with a brief period for comments, so that action can be taken at the next meeting to approve it or further revise it as membership agrees.

Discussion on Club Callsign Change. Bob Kirby K3NT recommended that discussions of callsign change as proposed at the last meeting be held in abeyance until facilities access issues are resolved. All agreed,

New Business:

Plans for Collins Fun Day. The Collins Aerospace Recreation Team has scheduled its annual Fun Day event for 4 June 2019 during lunch hours. It was agreed that the club would set up and staff a table at the event to communicate our activities and goals to the Collins workforce and hopefully find new a few new members. Jim Brown agreed to provide a club banner and club flyers/membership applications to hand out. A draft of the handout was circulated, and critiqued by members present. Frank Krizan and Gene Duprey agreed to provide and operate radios at the event.

Dues Change. Gene Duprey proposed that club dues be assessed on a calendar/fiscal year basis, since the Collins Aerospace fiscal year now matches the calendar year. New members, upon application and payment of initial dues, would be granted free membership until the start of the next year (in January), when those dues would be applied. Jim Brown seconded Gene's motion, and approval was unanimous by all members present.

Weather Station Upgrade. Bob Kirby moved to fund up to \$500 to repair and upgrade the club weather station and repair hail damage. Frank Krizan seconded the motion, which was passed unanimously by members present. Dennis Cobb WA8ZBT agreed to make the purchases as approved.

Adjournment:

The meeting was adjourned at 1901, followed by a program by Bob Kirby. The demonstration was followed (at 1930) by a club-hosted ham license test session as organized by Kerry Weeks K5WKS.

HIGHLIGHTS OF ARRL FORUM AT HAMCOM 2019

by Frank Krizan, KR1ZAN

HamCom 2019 is now history. I must say that I thoroughly enjoyed it. I hadn't been to HamCom for quite a number of years, only because of travel. Now that we're Summer Texans once again, HamCom is on the agenda.

HamCom hosted the ARRL West Gulf Division Convention. A major part of such conventions are forums relating to area ARRL functions -- in this case, the West Gulf Division which is comprised of Oklahoma and the Texas Sections (North, South and West). As ARRL members, we should attempt to attend these forums - one, to hear about what's going on in the League, and, two, to show our support for our leaders (as well as to voice our concerns).

The ARRL Forum was MC'd by John Stratton, N5AUS, who is the newly appointed Director of the West Gulf Division. John was our Vice-Director and became Director with the retirement of Dr. David Woolweaver, K5RAV. Dr. Woolweaver was recognized at the Forum for his many years of service to the League and his support for the 7290 Traffic Net.



John pointed out that the ARRL Board of Directors is emphasizing outreach to:

- members
- those we serve
- FCC & other agencies
- general public

John said the outreach to the general public is needed because most of the world doesn't know who we are. Try it for yourself - just ask someone to tell you what amateur radio or ham radio is. From each club's standpoint, John said every club should establish a Public Information Officer (PIO), which is an appointment made by the Section Manager. The job of the PIO is to not only to communicate to members, but, to communicate to the public.

He emphasized that hams shouldn't get discouraged by the news that the ARRL has dropped its emphasis on the Amateur Radio Parity Act (ARPA) - which was intended to help hams affected by HOA and deed restrictions. The ARPA had evolved into a potential law which might have put more restrictions on hams than if it wasn't law. The new effort is not to focus on a national solution, but to work at the state level. The League has been successful in getting such action in several states. John said the bill in the Texas Legislature had stalled because it had lost its sponsor.

John recognized John Galvin, N5TIM, a member of the Garland Amateur Radio Club, for his work with the West Gulf Division Communications Response Team. The North Texas group now has 15 members who are trained in the

use of the ARRL "Go Kits" - for which the North Texas Section has been assigned two. In the past, the Go Kits were stored at ARRL Headquarters. Now, they can be deployed quickly for emergency communications.

Director Stratton emphatically stated that he and the Vice Director, Lee Cooper, W5LHC, cannot request speaking opportunities at clubs. He said that any club who would like to have them speak should contact them with such an invitation. They are extremely happy to schedule a talk and discuss ARRL matters with club members.

Rick Roderick, K5UR, ARRL President, spoke briefly and did a survey of the ages in the room. His emphasis was that the average age of the amateur population is getting higher. Rick showed through his survey that only a handful of people under the age of 30 were in attendance at the Forum. He said he's been to some Conventions where there are no hams in attendance under the age of 30.



Rick issued a 3-point challenge to everyone in attendance (as well as every ARRL member): In the coming year,

- Get a new ham
- Help a new ham
- Encourage someone to join the ARRL.

The new ARRL CEO, Howard Michel, WB2ITX, was enthusiastically welcomed by the audience. Howard said he was licensed at the age of 16 and credited his interest in ham radio with encouraging his career in engineering. Howard outlined his various jobs and most recently leading the IEEE. He said his experience in working with the IEEE, as well as his professional experiences, will guide a great deal of his actions with the League.

One of his first initiatives has been the establishment of a Management Council at League Headquarters. This allows staff to sit around a table and discuss various needs and solutions, as opposed to issuing memos and building walls.



Howard said the League is more than just a national club. It's -

- a Membership Association
- a Business
- a Public Charity (501(c)(3))

A new model has been created for managing the League. It involves:

- Creating value
- Disseminating value - print, electronic
- New Product Development

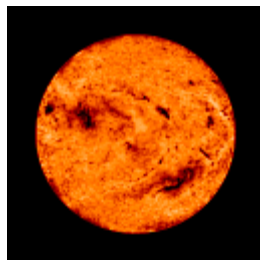
As regards New Product Development, a Lifelong Learning Program has been established. As an ARRL member, you'll be hearing more about this in the near future.

Well, that was my take on the ARRL Forum. I hope you'll become an ARRL member (if you're not one) and that you'll take advantage of the ARRL Forums at future HamComs and other ARRL Conventions.

Planetary Orbits May Explain Mystery of 11-Year Solar Cycle

by Frank Krizan, KR1ZAN

I'm sure you remember from one of your amateur radio exams that sunspots follow an 11-year cycle. Those of us who enjoy the wizardry of the high-frequency (HF) bands are well aware of this phenomena. Right now, we're in the doldrums of the 11-year cycle and look forward to the news that the number of sunspots will soon be on the upswing.



A group of researchers in Dresden, Germany has examined almost a thousand years of solar observations and related

the 11-year solar cycle to the orbits of Venus, Earth and Jupiter. "Everything points to a clocked process," Frank Stefani, a researcher at Helmholtz-Zentrum Dresden-Rossendorf (HZDR) and lead author of the new study, said in a statement. "What we see is complete parallelism with the planets over the course of 90 cycles."

The study was published May 22 in the Journal Solar Physics. More information in an article from Science and Astronomy and related links are available at <https://www.space.com/planets-affect-solar-cycle.html>

NIST Radio Station WWV 100-year Anniversary



The National Institute of Standards and Technology Radio Station WWV will be celebrating its 100-year anniversary in October 2019. The oldest continuously operating radio station in the world deserves a grand celebration.

The National Institute of Standards and Technology (NIST) and the Northern Colorado Amateur Radio Club (NCARC) have reached an agreement and are working together to organize the event.

NIST will focus on the plans for Tuesday, October 1, when they will host a recognition ceremony and an open house at the radio station north of Fort Collins.

NCARC will operate a special event amateur radio station, call sign WW0WWV, on the WWV property starting September 28 and going 24-hours a day through October 2. The goal is to make as many U.S. and world-wide contacts during the 120-hour period as possible, using multiple bands and multiple modes on at least 4 simultaneous transmitters. The effort will require hundreds of volunteer operators.

Information on the Special Events Station visit:

<https://www.nist.gov/news-events/events/2019/10/nist-radio-station-wwv-100-year-anniversary>.

Rose, Chapter 4

Here is the next chapter of a new original work by Scott, N7NET. Enjoy, and once again, thanks to Scott.

"Do you want to go to lunch with us, Artie?"

"Us? What do you mean by us?"

"Rose is a girl I met. I'm taking Rose and her family to May's for lunch."

"This will give May something new to talk about," said Artie, adding, "thanks, but I just ate. I'll stay here and run the booth for you while you're gone."

"That's great."

Soon he spotted Rose in the crowd headed his way. He waited for them and then the four of them walked to May's which was also located on the square

"So what do you do when you aren't at the Lord's Acre Day Celebration?" her father asked after they were seated at a table.

"I run Henry's Automotive."

"Henry died a couple years back. I used to take my pickup there. Did you buy the place?" her father asked.

"Henry was my father. I worked in the shop through high school and until I was drafted."

"Army?"

"Yes. Signal Corps."

"So are you're not a combat veteran?" her father asked.

"Nope, I'm not a combat veteran. No decoration here. I never saw any action. I was a radio operator."

"Oh?" her father said, a judgmental tone creeping into his voice.

"Virgil, don't be rude," Rose's mother scolded.

"You could say that, I guess. I heard the war from afar."

"How so?" he asked, placing his elbows on the table and leaning forward.

"I was a radio operator in Iceland. We, my fellow compatriots and I, relayed weather reports to aircraft that were being ferried to the European theater. Much of the radio traffic was coded messages. But we didn't try to decipher them, even if we could have. But you are right. I never saw any action."

"Virgil is my name. This is my wife, Anne. And, of course you already know Rose," her father said.

Charlie was relieved to see Virgil lose some of his edge. The stern appearance seemed embedded in his face, but

part of that was because of his bushy eyebrows and his handlebar mustache.

"Was it cold in Iceland?" asked Rose after a lengthy pause in the conversation.

"Very, and windy. And it was not uncommon to experience winds exceeding one-hundred miles per hour. But our quarters and our workplace were both comfortable, heated by natural steam coming from the ground."

"Really? But when you were outside, how could you walk in wind like that?" asked Rose.

"We couldn't. We had ropes along the pathway that we used when the snow or sleet was too severe to see. Sometimes I had to get down on all fours and crawl," Charlie explained.

May had been busy with other customers, but now she was approaching with menus and four glasses of water.

"Charlie. How is the message sending going?"

"Good. Better than I'd hoped for," he replied, then made the introductions around the table, Virgil, Anne, and Rose.

May knew them, of course.

"So how long have you been out of the army?" Anne asked.

"Three weeks tomorrow. It's been a busy time with getting my dad's shop going and preparing for this celebration."

"So, are you getting customers at the shop?" asked Anne.

"Oh yes. I learned the mechanic trade from my dad while I was still in high school. We worked in the shop together. So, I had my own following."

"I'm curious, about this radio thing. Evidently you had the radio before you were drafted, yet radio and auto mechanics seem so far apart from each other," said Anne.

"They are. Dad didn't have a lot of time to spend with me. So, after Mom passed away he helped me join the Cub Scouts. One thing led to another. Eventually there was an opportunity to earn a merit badge by learning Morse code. My friend, Artie, and I – when we were ten years old – learned the code together. The Cub Scouts used code oscillators that produced a tone. Of course, the two of us, a couple of kids, we didn't have oscillators. I'd read how the navy used lights to signal other ships. So, we used pieces of broken mirrors and played war games, flashing coded messages to each other. It was all just for fun until Artie flashed a message from three blocks away about an old lady who had fallen in the street. I was able to call for help on the phone.

I guess Pete, the fellow at the radio repair shop, heard about our good deed. He invited us to his ham station in the back room of his shop. It wasn't long before both Artie and

I earned our Class B license. The rest of it is history, as the saying goes.”

He could see by the way Rose’s eyes were glazed over that she was not interested in radio talk.

“Are you out of school?” Charlie asked her.

“I graduate next spring.”

“Then off to college?”

“I think so. I’d like to be a teacher.”

“What would you like to teach?” he asked between bites.

She finished chewing her last bite before she responded. “High school,” she began, “I’m most interested in geography.”

“Ah, geography. I suppose the geography ties closely with geopolitics. That should be very interesting. In my radio experience, not in the army, but in ham radio, I’ve talked to dozens of countries. I can show you cards, QSL cards, confirming my contacts from most of these countries. Some of them are pretty interesting.”

“Talked?” asked Rose.

“Well, in Morse code, of course. My fist does the talking, so to speak, no pun intended.”

“So, they all spoke English?”

“No, not all of them. But with Morse, we hams have a means of working around the language barrier with Q-signals. Most radio operators the world over know enough of them to hold a brief conversation. QTH followed by the name of his city and country tells me where he lives and the same for him. If I sent QTH Butler Missouri USA he knows where I live. Oh my,” he said, glancing at May’s wall clock, “I need to get back to the radio booth.”

(To be continued)

Mostly Historical UK Publication

Lots of throne room reading!

<https://www.americanradiohistory.com/Wireless-World-Magazine.htm?fbclid=IwAR3Gg4m3t309OY01IYB70DfJqbS3KtHCCXoHKhGA3O2cmlelOItKLL68ZPc>

(Contributed by Bob Kirby)

Technician License Class with the DCARA

The Denton County Amateur Radio Association (DCARA) will host an Amateur Radio Technician License class on July 27 & 28. This study class along with study material will prepare you to take your [exam](#) on the final day of the class.

The cost of this class is \$25.00. This fee will include your exam fee and other miscellaneous items. [Registration](#) is available on the club [website](#) at www.dcara.net. Payment must be made through the club [Paypal account](#).

The dates and times of the class are:

Saturday, July 27, 2019 8:00 am to 5:00 pm

Sunday, July 28, 2019 11:00 am to 5:00 pm

Class location will be:

Denton County Emergency Services

9060 Teasley Ln (FM2181)

Denton, TX 76210

The class will be based on 2018-2022 Technician Class by Gordon West. You must purchase your book prior to the class. It is available online from W5YI.

For further information contact:

Nancy Graff, AG5MQ at NetManager@dcara.net.

Upcoming Events

Daily	DFW Early Traffic Net (NTS) at 6:30pm 146.88 – PL 110.9Hz
Daily	DFW Late Traffic Net (NTS) at 10:30pm 146.72 – PL 110.9Hz
Daily	Texas CW Traffic Net at 7:00pm on 3541 KHz and at 10pm on 3541 KHz www.k6jt.com
1st Wednesday	Richardson Emergency Siren Test. At noon using the Richardson Wireless Klub (RWK) repeater at 147.120 MHz.
2nd Wednesday	ARES North Texas HF Net Every month—3860 KHz at 8:30 pm—9:30pm
JUNE	
22-23	Field Day. To work as many stations as possible on the 160, 80, 40, 20,15, and 10 Meter HF bands, as well as all bands 50 MHz and above, and to learn to operate in abnormal situations in less than optimal conditions. Details at http://www.arrl.org/field-day .
JULY	
13-14	IARU HF World Championship. Objective: to contact as many other amateurs, especially IARU member society HQ stations, around the world as possible using the 160, 80, 40, 20, 15 and 10 meter bands. Begins 1200 UTC Saturday and ends 1159 UTC Sunday.



Richardson, Texas

Mail Station 461-290
P.O. Box 833807
Richardson, TX 75083-3807

TO:



Richardson, Texas

CLUB STATIONS
 (972) 705-1349

W5ROK REPEATER
 441.875 MHz +5 MHz Input
 131.8 Hz PL - RX and TX

W5ROK-1 PACKET BBS ROK Node
 145.05 MHz

W5ROK-N1, W5ROK-N2 & W5ROK-N3 HSMM-MESHNET Nodes 2.4 GHz

Tuesday 25 June 2019

1700 Social 1730 Meeting

Methodist Richardson Medical Ctr
At Bush/Renner/Shiloh Intersection
Conference Room A in Hospital Building

NEXT SIGNALS INPUTS DEADLINE:
→→→ 12 July 2019 ←←←